

SKVARIK, V.P. [Skvaryk, V.P.], kand.tekhn.nauk

Design of the presser pad and stength of the glued joints of  
the sole parts. Leh.prom. no. 4:55-62 O-D '63. (MIRA 17:5)

SKVARIK, V.P.; TSENOVA, L.V.

Cementing of soles. Kozh.-obuv.prom. 5 no.5:24-26 My '63.  
(MIRA 16:5)

(Shoe manufacture)

(Rubber goods)

SKVARIK, V.P.

Scientific and technological conference on the new type of  
shoe machinery. Leh. prom. no.2881 Apr-Je'64 (MIRA 1787)

SKVARIK, V.I. [Skvaryk, V.P.], kand. tekhn. nauk; D'YACHENKO, V.S.; KUCHERENKO,  
A.G. [Kucherenko, A.H.]; VOLOSHIN, A.M. [Voleslyn, A.M.]; IVANOV, A.O.

Use of plastics in shoe manufacture. Len. prom. no.3:75-81 JI-S '64.  
(MIRA 17:10)

SKVARIK, V.P. [Skvaryk, V.P.]

Second plenum of the Ukrainian Administration of the Scientific  
and Technical Society. Loh. prom. no.3:82-83 J1-S '64.

(MIRA 17:10)



SHAKLANOV, I.G. [Shaklanov, I.G.], kand. tekhn. nauk; SEVARIK, V.P.  
Skvaryk, V.P.], kand. tekhn. nauk; STOB IIA, I.Z. [Steblyna,  
I.Z.].

Effect of the plastic-elastic characteristics of shoe-upper  
materials on the shape retaining properties of the system  
leather-fabric. Tekh. prom. no.4574-78 1-3 16A (MIRA 18:1)

SKVARIK, V.P.

Class in precision in shoe manufacture. Kozh.-obuv. prom. 6.  
no.7:30-32 JI '64. (MIRA 17:8)



SKVARIK, V.P.; STEBLINA, I.Z.

Effect of vibration on the molding of leather. Kozh.-obuv.prom. 6  
no.10:27-30 0 '64. (MIRA 18:1)

LUKASHEVICH, G.I [Lukashevych, H.I.], kand. tekhn. nauk; SHERSHNEV, Ye.S.  
[Shershn'ov, IE.S.]; SKVARIK, V.P. [Skvaryk, V.P.], kand. tekhn.  
nauk

Ways to lengthen the service life and improve the reliability of  
machinery in light industries. Leh. prom. no.1;28-32 Ja-Mr '65.  
(MIRA 18:4)

SKVARIK, V.P. [Skvaryk, V.P.]

Ukrainian scientific and technical conference on the improvement  
of organization forms in the operation of the shoe industry. Leh.  
prom. no.1:83-84 Ja-Mr '65. (MIRA 18:4)

SKVARIK, V.P.

Interfactory scientific and technical conference  
concerning the mechanization and automation of conveying,  
loading, unloading and storage operations. Leh.prom. no.1:  
82 Ja-Mr '64. (MIRA 19:1)

SKVARIK, V.P.; KUPRIY, O.M.; SHTRAMBRAND, V.D.; ROZENSHTEYN, A.G.  
[Rozenshtein, A H.]

Molding of heels on the footwear. Leh.prom. no.1:55-57  
Ja-Mr '64. (MIRA 19:1)

SKVARIL, Frantisek

Protein fractions of blood plasma in therapeutic praxis. Cesk.  
farm. 3 no.9:312-315 Nov 54.

1. Z Ustavu hematologie a krevni transfuse. Reditel: MUDr  
Josef Kidery  
(BLOOD PROTEINS  
fractions, ther. use)

SKVARIL, F.; RYBAK, M.; BEDNARIK, T.

Methods of fractionation and isolation of proteins of blood plasma. Cesk. farm. 4 no.5:250-255 June 55.

1. Z Ustavu hematologie a krevni transfuze, Praha.  
(BLOOD PROTEINS  
fractionation & isolation methods)

POLAK, H.; POLAKOVA, K.; SKVARIL, Fr.

Identification of certain properties of plasma factor increasing amoebic activity of leukocytes. Cesk. pediat. 11 no.6:411-415 June 56.

1. Ze III. int. kliniky SFN v Praze 2 (predn. akad. J. Charvat) z Ustavu pro peci o matku a dite, koj. odd. (prednosta doc. K. Kubat, reditel prof. J. Trapl) a Ustavu hematologie a krevni transfuse (reditel Dr. J. Kidery).

(LEUKOCYTES,

leucokinin, increase of leukocytic motility (Cz))



POLAK, H.; POLAKOVA, K., (klinicka a hematologicka cast); SKVARIL, Fr.,  
(biochemicka cast a statist. zhodnoceni)

Demonstration and attempted isolation of a new plasma protein  
leukokinin, a substance increasing amoeboid activity of leukocytes.  
Cesk. pediat. 11 no.7:464-475 July 56.

1. III. Intern. klin. KU, Praha, Predn. akad. prof. K. J. Charvat  
Ustav pro peci o matku a dite v Praze-Podoli, redit. prof. MUDr.  
Trapl, z detskeho oddel., prednosta doc. Dr. K. Kubat. Ustav  
hematologie a krevni transfuze, Praha, red. MUDr. J. Kidery.

(LEUKOCYTE,

increase of amoeboid activity by blood protein fraction  
leukokinin (Cz))

(BLOOD PROTEINS,

leukokinin, fraction increasing leukocyte amoeboid  
activity (Cz))

POLAK, H.; POLAKOVA, K.; SKVARIL, F.

No translation. Rev. Czech. M. 3 no.1:34-41 1957.

1. Third Clinic for Internal Diseases, Charles University, Prague.  
Director: Academician J. Charvat.--Institute for the Care of  
Mother and Child, Prague. Director: Professor Trapl Head of the  
Infants' Department: Doc. K. Kubat. --Institute of Haematology  
and Blood Transfusion, Prague. Director: J. Kidery, M.D.

(LEUKOCYTES

postnatal migration & role in immun.)

(IMMUNITY

role of postnatal migration of leukocytes)

SKVARIL, F. POLAKOVA, K.; POLAK, H.

Adsorption of leukocytes on asbestos-cellulose layers. Cesk.  
pediat. 12 no.4:296-299 Apr 57.

(LEUKOCYTES, metab.  
adsorp. on asbestos-cellulose layers (Cs))

SKVABIL, F. ; POLAKOVA, K. ; POLAK, H.

"Electrophoretic behavior of the active component in the blood plasma factor, "leukokininine."

p. 1204 (Chemické Listy, Vol. 51, no. 6, June 1957, Praha, Czechoslovakia.)

Monthly Index of east European Accessions (EEAI) LC, Vol. 7, No.6 June 1958.

SKVARIL, F.

The present situation with regard to plasma fractions in Czechoslovakia.  
Rev. Czech. M. 4 no.1:44-49 1958.

1. Institute of Haematology and Blood Transfusion, Prague: Director Prof.  
J. Herejsi.

(PLASMA  
fractionation of plasma on prod. scale in Czech.)

SKVARIL, F.; SLONIM, D. (UHKT, Praha 12, Korunni 108.)

Determination of the content of antibodies against Czechoslovakian tick-borne encephalitis in rivanol gamma globulin and in ethanol II and III subfractions of convalescent human plasma. Cesk. epidem. mikrob. immun. 7 no.3:171-174 May 58.

1. Ustav hematologie a krevni transfuze, Vyzkumny ustav imunologie.  
(ENCEPHALITIS, EPIDEMIC, immunology,  
antibodies of Czech tick-borne encephalitis in rivanol  
gamma globulin & ethanol subfractions II & III in convalescent  
blood (Cz))

EXCERPTA MEDICA Sec 17 Vol 5/12 Public Health Dec 59

3822. A STUDY IN  $\gamma$ -GLOBULINS PREPARED BY DIFFERENT METHODS. I. COMPARISON OF ETHANOLIC AND RIVANOLIC  $\gamma$ -GLOBULIN - Studie gamaglobulinů připravených různými metodami. I. Srovnání ethanolového a rivanolového gamaglobulinu - Skvařil F., Rybák M. and Rejnek A.J. Ustav Hematol. a Krevní Transfúze, Praha - CSL.EPIDEM. 1958, 7/6 (408-413) Tables 3

A comparison is presented of ethanolic and rivanolic  $\gamma$ -globulin prepared from the ethanol fraction II + III of normal human plasma (4 mixtures of plasma). The preparations were examined by paper electrophoresis, by diffusion in agar according to Ouchterlony, and by immunoelectrophoresis; further their content of

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antibodies against the virus of poliomyelitis and diphtheric anatoxin was determined. With an exception of one, a rivanol preparation, no essential differences were found in paper electrophoresis. The results of diffusion in agar and of immuno-electrophoresis showed a larger number of  $\beta$ -globulin fractions in the rivanol preparations in opposition to the classical preparations of Cohn. The 2 kinds do not differ practically in their content of diphtheric anatoxin and of antibodies against poliomyelitis.



SKVARIL, Frantisek; REJNEK, Jaroslav, s technickou spolupraci; MASEK, Jaromira

Our experience with a micromodification of immunoelectrophoresis. Cesk.  
epidem. mikrob. imun. 7 no.6:414-417 Nov 58.

1. Ustav hematologie a krevni transfuze v Praze. F. S. Praha 12 Tr.  
Wilhelma Piecka 108.

(ELECTROPHORESIS

immunoelectrophoresis, micromodification (Cz))

(IMMUNITY

same)

SKVARIL, Frantisek; REJNEK, Jaroslav

Immunochemical comparison of colostrum & milk proteins with blood proteins. Cesk. pediat. 13 no.9:793-797 5 Oct 58.

1. Ustav hematologie a krevni transfuse v Praze, reditel prof. Dr. J. Horejsi.

(BLOOD PROTEINS

immunochem. comparison with colostrum & milk proteins (Cz))

(MILK

proteins, immunochem. comparison with blood & colostrum proteins (Cz))

(COLOSTRUM

proteins, immunochem. comparison with blood & milk proteins (Cz))

(PROTEINS, metab.

colostrum & milk, immunochem. comparison with blood proteins (Cz))

REJNEK, J.; RYBAK, M.; SKVARIL, F.

Study of gamma globulins prepared by different methods. II. Comparison of the aluminum-treated & chloroform-treated gamma globulins. Cesk. epidem. mikrob. imun. 8 no.1:42-48 Jan 59.

1. Ustav hematologie a krevni transfuze v Praze.

(GAMMA GLOBULIN, prep.

comparison of aluminum-treated & chloroform-treated globulins (Cz))

SKVARIL, F.

Changes in human  $\gamma$ -globulin preparations during storage. Folia  
microbiol 5 no.4:264-271 '60. (EEAI 9:10)

1. Institute of Sera and Vaccines, Prague.  
(GAMMA GLOBULIN)

SKVAHIL. F.

Studies on gamma-globulin prepared by various methods. III. Outdated preparations from normal human plasma. Cesk.epidem.mikrob.imun. 9 no.3:196-202 Ap '60.

1. Ustav ser a ockovacich latek v Praze.  
(GAMMA GLOBULIN)

REJNEK, J.; SKVARIL, F.; DOLEZAL, A.

Electrophoretic and immunoelectrophoretic studies of the blood serum in mother, newborn infant and of colostrum serum proteins. Cesk. pediat. 15 no.2:97-104 F '60.

I. Ustav hematologie a krevni transfuze v Praze, reditel prof. MUDr. J. Horejsi; II. Gynekologicko-porodnicka klinika v Praze, prednosta prof. MUDr. J. Lukas.

(BLOOD PROTEINS chem.)

(COLOSTRUM chem.)

(INFANT NEWBORN)

(PUERPERIUM blood)

STRAUSS, J.; SKVARIL, F.

Neutralizing antibodies of the globulin fractions after ornithosis.  
J. hyg. epidem. 6 no.2:169-175 '62.

1. Institute of Epidemiology and Microbiology, Prague and Institute  
of Sera and Vaccines, Prague.

(ORNITHOSIS immunol)

JOHANOVSKY, J.; STEJSKAL, A.; NOVOTNY, J.; SKVARIL, F.; FRANCOVA, Drahomira

Preliminary biochemical characteristics of the effective substance in extracts of hypersensitive cells (hypersensitivity factor) and of pyrogenic substances arising on mixing it with antigen (hypersensitivity pyrogen). Folia microbiol. 7 no.6:331-342 '62.

1. Institute of Sera and Vaccines, Prague 10.  
(PYROGENS) (ANAPHYLAXIS)



SKVARIL, F.; NOVOTNY, J.

A simple method of preparing pure gamma globulins. Cesk. epidem. 11  
no.6:376-380 N '62.

1. Ustav ser a ockovacich latek v Praze.  
(GAMMA GLOBULIN)

RYBAK, M.; SKVARIL, F.; ANDRASINA, J.

Stable solution of plasma proteins (SPR) — a new transfusion preparation with an albumin base. Cesk. farm. 12 no.3:137-139 Mr '63.

1. Ustav hematologie a krevni transfuze, Praha Ustav ser a ockovacich latek, Praha Chirurgicka klinika fakulty, VPZS, Kosice.  
(SERUM ALBUMIN) (BLOOD TRANSFUSION) (BLOOD PROTEINS)

SKVARIL, F.; GRUNBERGER, D.; KYNCL, F.

Inhibition of the spontaneous splitting of human  $\gamma$ -globulin preparations by  $\epsilon$ -aminocaproic acid. Coll Cz Chem 28 no.3: 644-651 Mr '63.

1. Institute of Sera and Vaccines, Prague, and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

FRANEK, F.; NEZLIN, R.S.; SKVARIL, F.

Antibody Binding Capacity of Different Peptide Chains Isolated from  
Digested and Purified Horse Diphtheria Antitoxin.  
Folia microbiol. 8 no. 4 J1 '63

1. Department of Immunology, Institute of Microbiology, Czechoslovak  
Academy of Sciences, Prague 6, and Institute of Sera and Vaccines,  
Prague 10

(DIPHTHERIA ANTITOXIN) (PEPTIDES) (ANTIBODIES)  
(IMMUNOELECTROPHORESIS) (PEPSIN) (ELECTROPHORESIS)  
(IMMUNE SERUMS)



SVVAG L. P., GMLP W. H.

biochem. J.

Isolation of gamma globulin from the etherol fraction III  
of placental serum. Czech. farm. 13 no.173502-505 (1964)

1. Ustav pro chemickou lékařství, Praha.

1. Institute for Sera and Vaccines (Dezav) and Department of

Physical Chemistry of the Faculty of Science of Charles University,  
Prague. Submitted July 6, 1964.

1. Institute for Sera and Vaccines (Dezav) and Department of  
Physical Chemistry of the Faculty of Science of Charles University,  
Prague. Submitted July 6, 1964.

ADAM, E.; KUEATOVA, E.; KRATOCHVILLOVA, M.; BURIAN, V.; SKVARIL, F.;  
Statisticke zpracovani: MALY, V.

Preparations of placental gamma globulins stabilized by  
epsilon-aminocaproic acid. Study on the reactivity and  
efficiency. Cas. lek. Cesk. 104 no.4:1093-1100 8 0 '65.

1. Ustav ser a ockovacich latek v Praze (reditel MUDr.  
J. Malek).



SKVARIL, J.

Military medicine in new conditions. Voj.zdrav. listy  
19 no.7-8:155-157 July-Aug. 1950. (CJML 20:1)

SKVARIL J.

O zasadach novoho stravovani vojaka. /New principles in feeding of  
soldiers/ Voj. zdrav. listy 19:9-10 Sept-Oct 50 p. 207-10.

1. NAI  
CIME Vol. 20, No. 2 Feb 1951



SKVARIL, Josef, gen. doc. MUDr.

Organization of emergency surgical aid. Zdrav. actuality no.144:  
1-117 '61.

(EMERGENCIES)

(SURGERY OPERATIVE)

SKVARIL, Jaroslav

Raising the qualification of personnel and its recruiting in State  
Aeronautical Administration. Letecký obzor 6 no. 6:170-172 Je 62.

SKVARIL, J.

Crush syndrome. Cas. lek. cesk. 102 no.3:1-13 18 Ja '63.

1. Ustredni vojenska nemocnice v Praze.  
(ACUTE RENAL FAILURE)

CZECHOSLOVAKIA

SKVARIL, J., MD, Docent, General [Affiliation not given.]

"Seventieth Birthday of Prof Josef PODLAHA, MD."

Prague, Vojenske zdravotnicke listy, Vol 32, No 1, Mar 63; p 47.

Abstract : Brief eulogizing biographical sketch of this Brno surgeon and educator. He was in Mauthausen during the war, later became most prominent in neurosurgery.

1/1

RANTO, Ladislav, inz.; SKVARKA, Peter, inz.

Experiences in the operation of a new 150 g-cal heat exchange station in the Bratislava II Electric Power Plant. Energetika Cz 14 no.12:603-604 D '64.

1. Elektraren Bratislava II.



KRASIN, V. P., kand. tekhn. nauk, dotsent; KRAS'KO, A. S., inzh.; SKVARKO,  
E. A., inzh.

Automatic control systems for electric furnace departments of glass  
fiber plants. Izv. vys. ucheb. zav.; energ. 7 no.5:103-105 My '64.  
(MIRA 17;7)

1. Belorusskiy politekhnicheskii institut. Predstavlena kafedroy  
elektricheskikh stantoly.

GREBINSKIY, S.O.; SKVARKO, K.A.

Effect of X irradiation on the uptake of  $P^{32}$  by leaves. Radiobiologiya  
1 no.2:308-309 '61. (MIRA 14:7)

1. L'vovskiy gosudarstvennyy universitet imeni Iv.Franko.  
(PLANTS—EFFECT OF X RAYS ON) (PLANTS—ASSIMILATION)  
(PHOSPHORUS—ISOTOPES)

SKVARKO, K.A. [Skvarko, K.O.]

Effect of X rays on the flavin formation in *Candida melibiosi* yeast as related to the physiological state of cells and the conditions of their incubation. Mikrobiol. zhur. 27 no.6: 48-53 '65. (MIRA 19:1)

1. L'vovskiy gosudarstvennyy universitet im. I. Franko. Submitted September 4, 1964.

SEVERKOVSKIY, V.B.; GLEBOV, V.A., kand. tekhn. nauk, dotsent; ZHATKIN, G.F.;  
MIRNATICHENKO, N.G.; POPOV, A.D.; SIDOROV, Ye.A.; TSVETNOY, S.M.

Stand for testing miniature electrical machines in electric  
instrument systems. Sbor. st. RIIZHT no.45:58-64 '64. (MIRA 19:1)

SKVARKOVSKIY, V.B.

Electronic apparatus for obtaining indicator diagrams on  
oscillograph screens. Sbor. st. RIIZHT no.45:102-107 '64.  
(MIRA 19:1)

CHERN', Vitaliy Dmitriyevich; SKVARONSKIY, B.I., nauchnyy red.;  
GUSEVA, L.F., red.; GOLOVANYEVSKAYA, E.N., red.; NESMYSLOVA,  
L.M., tekhn. red.

[Laboratory tests of building materials; for masons]Laboratornye  
raboty po ispytaniyu stroitel'nykh materialov; dlia kamenshchikov.  
Moskva, Proftekhizdat, 1962. 103 p. (MIRA 15:12)  
(Building materials--Testing)

Poland/Chemistry of High Molecular Substances.

F

Abs Jour : Referat. Zhurnal Khimiyu, No 6, 1957, 19447.

Author : I. Skvarskiy.

Inst : ~~Inst. Polym. Sci.~~

Title : Study of Polycondensation Kinetics of Dimethyl Esther of Terephthalic Acid with Ethylene Glycol.

Orig Pub : Zesz. Nauk. Politch. Iodzkiej, 1956, No 12, 41-65.

Abstract : The polycondensation speed of the dimethyl ester of terephthalic acid with ethylene glycol was measured by determining the quantity of produced glycol per unit of time. The obtained data lead the author to the conclusion that the reaction is of the 3rd order. The speed constant of the reaction was determined and the influence of temperature and pressure was studied.

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SKVER, V.

GEOGRAPHY & GEOLOGY

Periodicals: CASOPIS PRO MINERALOGII A GEOLOGII Vol. 3, no. 2, 1958

SATTRAN, V.; SKVER, V.; ZEMANEK, A. Crystalline rocks in the  
Erzgebirge. p. 152

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,  
May 1959, Unclass.



SKVERCHAK, D.

Work practice of A.I. Elantsev's mixed construction crew. Muk.  
-elev.prom. 21 no.10:21-25 0 '55. (MLRA 9:1)

1. Trest T Sentrozagotstroy.  
(Grain elevators) (Building)

SKVERCHAK, D.; ARKHANGORODSKIY, L.

Using tower cranes in pouring concrete for grain elevators.  
Muk.-elev.prom. 21 no.11:25-27 N '55. (MIRA 9:4)

1. Trest Tsentrozagotstroy.  
(Concrete construction) (Cranes, derricks, etc.)

SKVERCH, L. L. Incheon: KOREA

Assembling a prefabricated structure by an assembly-line method.  
Ind. elev. proc. 23 no.5:28-30, 1952. (MLRA 10:9)

for TSenia. (rebostray).  
(Draw: elevators)

SKVERCHAK, D., inzh.; EYZEROVICH, A., inzh.

Workers of the Stalinogorsk Grain Milling Combine are striving  
for the title of enterprise of communist labor. Muk.-elev.  
prom. 26 no. 12:4-7 D '60. (MIRA 13:12)  
(Stalinogorsk--Flour mills)

SKVERCHAK, D.

Suggestions and recommendations of members of scientific technological societies. NTO 3 no.2:50-52 P '61. (MIRA 14:3)

1. Starshiy inzhener Tsentral'nogo byuro tekhnicheskoy informatsii Gosudarstvennogo komiteta Soveta Ministrov SSSR po khleboproduktam. (Stalinogorsk—Flour mills—Technological innovations)

SKVERCHAK, D.

Popular scientific motion pictures on problems of grain storage  
and processing. Muk.-elev. prom. 29 no.5:24-25 My '63.  
(MIRA 16:7)

1. Tsentral'nyy institut nauchno-tekhnicheskoy informatsii  
Gosudarstvennogo komiteta zagotovok.  
(Motion pictures in industry)  
(Grain handling)

SKVERNYUKOV, P.

In the Ural House of Technology. NTO no.1:36-38 Ja '59.  
(MIRA 12:2)

(Sverdlovsk—Research, Industrial)

SKVERNYUKOV, P.

Automation is the urgent task of the day. NTO no.5:27-29  
My '59. (MIRA 12:8)  
(Automation)



SKVERNYUKOV, P. (g.Vil'nyus)

Foremost workers of the "Leliia" Factory. NTO no.6:34-35 Je '59.  
(MIRA 12:9)  
(Vilnyus--Clothing industry)

SKVERNYUKOV, P.

Meeting friends. MFO no.10:63 0 '59.  
(Poland--Research, Industrial)

(MIRA 13:2)

SKVERNYUKOV, P. (Khar'kov)

Machinery plant changes its aspect. MTO no.11:32-34  
N '59. (MIRA 13:4)  
(Kharkov--Technological innovations)

SKVERNYUKOV, P.

Technological innovations of paper industry workers in Lithuania.  
NTO no.12:55 D '59 (MIRA 13:3)  
(Lithuania--Paper industry--Technological innovations)

SKVERNYUKOV, P.F.

Exhibition of the woodpulp and paper industry. Bum.prom. 36 no.1:insert  
Ja '61. (MIRA 14:3)

(Paper industry--Exhibitions)

SKVERNYUKOV, P.F.

Cardboard factory on the Oka River. Bum.prom. 37  
no.10:27-28 0 '62. (MIRA 15:11)  
(Aleksin—Paperboard)

SKVIRA, A.A., inah.

Forms of the organization of continuous production lines in  
the cutting shops of clothing factories. Izv. vys. ucheb. zav.;  
tekhn. leg. prom. no.5:18-30 '63. (MIRA 16:12)

1. Moskovskiy tekhnologicheskoy institut legkoy promyshlennosti.  
Rekomendovana kafedroy organizatsii proizvodstva i ekonomiki  
legkoy promyshlennosti.

ALEKSEYEVA, L. L., kand. tekhn. nauk; SKVIRA, G. A., inzh.

Some problems in setting technical norms in the shoe and clothing production. Izv. vys. ucheb. zav.; tekhn. leg. prom. no.4:3-12 '62. (MIRA 15:10)

1. Kiyevskiy tekhnologicheskoy institut legkoy promyshlennosti. Rekomendovana kafedroy ekonomiki promyshlennosti i organizatsii proizvodstva.

(Shoe manufacture—Production standards)  
(Clothing industry—Production standards)



SKVina, G.A. [Skvyra, H.A.]

Ways to improve the production organization in the cutting departments  
of clothing factories. Leh. prom. no.3:40-43 JI-S '64. (MIRA 17:10)

ARBUZOV, N.M.; SEVIRSKAYA, A.A.; TYTAR', G.M.

Honored Scier 'st of the Ukrainian S.S.R. Professor Leon Antonovich  
Lukovskii, 1903 - ; on his 60th birthday. Vest. otorin. 25 r 5:  
164 S-O '63. (MIRA 17 4

[illegible]

117 AND 118 INDEX		PROCESS AND PROPERTIES INDEX	
<p>13C</p> <p>Glycolytic power of different parts of the nervous system, with different substrates. E. B. FRYER (Univ. Kansas, J., 1928, 12, 5-17).—The amount of lactic acid formed after 1 hr. incubation (30 min. at 37°) of central and peripheral nervous tissue (dog) with a no. of carbohydrates falls in the order glucose, fructose, galactose, glycogen. With glucose and fructose the increment of lactic acid diminishes in the order gray, white matter of brain, sciatic nerve, and with glycogen in the reverse order; with galactose the same effect is obtained with all three tissues. R. T.</p>			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000</p>		<p>10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000</p>	

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71-83 '49. (MLRA 9:10)

(ACETYLCHOLINE) (NERVOUS SYSTEM)

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Chemical Abst.  
Vol. 48  
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Biological Chemistry

(3)

The esterase of phosphopyruvic acid in cephalic marrow. E. B. Skvirskaya and A. A. Rybina (Inst. Biochem., Acad. Sci. Ukr. R.S.R., Kiev.). *Ukrain. Biokhim. Zhur.* 21, 141-8 (in Russian, 148-9) (1949).—The presence of this enzyme was proved both for marrow homogenates and aq. exts. 1:20. The optimum pH was 7.2-7.3. This homogenate or ext. was allowed to act on a substrate of phosphoglyceric or phosphopyruvic acid, adenylic acid (I) and  $MgCl_2$  (II). I can be replaced by adenosinediphosphate. The presence of II is necessary for the activity; if Mg is replaced by K and Na or left out without any replacement, there is a sharp drop in activity; in the presence of sufficient II an addn. of NaCl is ineffective;  $KCl$  will raise the activity, and  $CaCl_2$  will lower it. Also if the  $Na^+$  always present in the reaction mixt. (from the buffer etc.) is replaced by  $K^+$ , another increase in activity is noted. The replacement of I by inosinic acid results in almost complete loss of activity. Oxidants like  $H_2O_2$  and alloxan retard the reaction; the same is true for phlorizin (III). This latter observation is significant because it disproves the prevalent opinion that III can inhibit hexokinases only. Werner Jacobson

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modification. B. S. Levine

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Metabolism of nucleic acids in the liver and CNS (central nervous system). O. P. Chepinoga, E. B. Skvirskaya, L. P. Rukina, and T. P. Silich (Biochem. Inst. Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 24, 177-85 (in Russian, 1955-7) (1955); cf. *ibid.* 23, No. 3 (1951).—Brain and liver nucleic acid metabolism was studied in 150-g. white rats as follows: (1) controls; (2) after partial liver excision; (3) during prolonged narcosis; (4) a combination of (2) and (3). The left lower portion of the liver (about 1/3 of the total liver wt.) was removed under ether. Sodium medinal (16 mg./100 g. wt., 3-4 times daily) was used for narcotic sleep induction. Dtd. were: total nucleic acid (NA) P, ribonucleic acid (RNA) P, deoxyribonucleic acid (DNA) P, ribonuclease (RNAase) and deoxyribonuclease (DNAase) in liver and brain tissues. With (2) a decrease in NA P resulted in both brain and liver, enzyme activity increasing except for DNAase in the liver where it decreased. In (3) the effect on the CNS led to lowered NA P in brain and liver, and decreased enzyme activity except for DNAase of the brain which increased. (4) was not the summative effect of (2) + (3) since the new metabolic pattern from (2) is further changed by (3). A modified Schmidt-Tannhauser method (cf. Chepinoga, Skvirskaya, and L. P. Rukina, *Ukrain. Biokhim. Zhur.* 23, No. 3 (1951)) was used for total NA P. DNAase was dtd. viscometrically. A RNAase detn. was developed based upon the Kunitz method (C.A. 34, 7944) as follows: *Detn. A:* 0.5 ml. of 0.1M acetate buffer (pH 6.4), 0.5 ml. of 1-hr. 1:10 aq. ext. of minced tissue, and 1.0 ml. 0.4% Na salt of RNA. *Detn. B:* 0.5 ml. of 0.1M acetate buffer (pH 6.0), 0.5 ml. of ext., and 1.0 ml. H<sub>2</sub>O. All samples were incubated 1 hr. at 37°. 2.0 ml. of 0.35% uranyl acetate with 5% CCl<sub>3</sub>COOH added, left an addnl. 30 min. at 37° to ppt. proteins and

remaining RNA, and then filtered. One ml. of filtrate was digested with 0.15 ml. of concd. H<sub>2</sub>SO<sub>4</sub> and P dtd. colorimetrically, comparing both A and B against their resp. controls. Clayton F. Holoway

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No. 0787. -- Brief and popular review of the data on the  
metabolism in the brain and on the chemistry of transmis-  
sion of a nerve stimulus. M. Hosh

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Influence of pervitin on nucleic acid metabolism in the brain, liver, and blood. Ukrain. Biokhim. Zhur. 25, No.1, 3-10 '53. (MIRA 6:5)  
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The reaction concept of Davidson on the immutability of deoxyribomucleic acid  
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/ Metabolism of nucleic acids in tissues of brain and its ontogenesis. E. B. Skvirskaya and O. P. Chepino. *Doklady Akad. Nauk S.S.S.R.* 92, 1007-10(1953).—By means of  $P^{32}$ -labeled  $Na_2HPO_4$  which was injected subcutaneously into rabbits it was shown that with increased age of the animal there is increased penetration of labeled P into ribonucleic acid of the brain; introduction of labeled P into the acid-sol. fraction of brain matter drops sharply immediately after birth. There is a sharp decline at birth of penetration of labeled P into both forms of nucleic acid, especially the deoxy form. The results indicate not only active synthesis of nucleic acids in embryonic brain but also a vigorous renewal rate. In the liver the labeled P was taken in less and less slowly as birth approached, then showed a rapid rise after birth, followed by a decline after some 9 days; both forms of nucleic acid took part in the uptake of P. G. M. Kosolapoff

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Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954  
Biological Chemistry

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Nucleic acids in the various parts of the brain. E. B. Skvirskaya and T. P. Silich. Inst. Biochem. Acad. Sci. Ukr. S.S.R., Kiev. Doklady Akad. Nauk S.S.S.R. 93, 1073-5(1954); cf. C.A. 48, 4079e.---It was shown in an examn. of rabbit brain that the nucleic acid content is higher in the cerebellum than in the white or gray matter of the brain proper; especially high is the content of deoxyribonucleic acid. Nuclei isolated from the cerebellum differ from those of the gray matter both in nature (the former are more uniform and numerous) and in the higher content of nucleic acids, contg. 21-22%, of which some 84% is deoxyribonucleic acid. G. M. Kosolapoff

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The effect of magnesium on the activity of deoxyribonuclease of the brain. T. P. Silich and E. B. Skvirskaya (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Biochim. Zhur.* 27, 41-6 (Russian summary, 46-7) (1955). The enzyme prepn. was made by H<sub>2</sub>O extr. of rabbit brain tissue in the cold. It was standardized to have 0.3 mg. of N/ml. To 2 ml. of 0.3% Na deoxyribonucleate 1 ml. of the enzyme prepn. was added and enough MgSO<sub>4</sub> to give final 0.00005 to 0.01M concns. No buffer was added since the final mixt. was of neutral pH. Viscosimetric detns. were made before and after 2-hrs. incubation at 37°. The vertical and horizontal viscosimeters were used at first. The results of both were parallel, so in most of the work the Ostwald viscosimeter alone was used. To a portion of the incubated material CCl<sub>3</sub>CO<sub>2</sub>H was added and detns. made for nucleotide P as a confirmatory split-product indicator of the activity of the brain deoxyribonuclease (I). In a similar control series the MgSO<sub>4</sub> was omitted. The viscosimetric results appeared to indicate that the presence of Mg ions under the conditions of the expts. impeded the activity of brain I. It was found, however, that the change in the viscosimetric readings was due to the direct effect of the Mg ions on the substrate and not on the activity of I. The data obtained by the chemical series in which nucleotide P detns. were used as the indicator of the activity of I showed no difference in the activity of I in tests with or without Mg ions. This served as a confirmation of the conclusions reached regarding the effect of Mg on the phys. properties of the substrate. H. S. Levine



SKVIRSKAYA, E. B.

✓ The metabolism of some phosphorus compounds in the brain and spinal cord of hibernating animals. E. B. Skvirskaya and T. P. Silich (Inst. Biochem., Acad. Sci. Ukrain. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 27, 385-92 (Russian summary 392-3) (1955).—The metabolism was studied of P-contg. proteins and of phospholipides in the brain and spinal cord under functional arrest of the central nervous system. Susliks were used. Some were in the wakeful state, some in hibernation, some were roused from hibernation just prior to the tissue extn., and some were subjected to a 24-hr. narcotic sleep. Detns. were also made of the intensity with which  $P^{32}$  might be included into the tissues of the central and spinal nerve systems following a subdermal injection (0.1 mc./kg. body wt.) 4 hrs. prior to the animals being sacrificed. The inclusion of  $P^{32}$  into the brain and spinal nerve tissues as measured by specific radioactivity in sleeping susliks was a mere fraction of that taking place in wakeful susliks; in some sleeping susliks no labeled P was found. In susliks subjected to 24 hrs. of narcotic sleep the intensity of  $P^{32}$  inclusion was also lowered, though not to a similar degree. In hibernating susliks, whose sleep was artificially interrupted, the intensity of  $P^{32}$  inclusion into the ribonucleic acid fraction, the phospholipides, and other P-contg. fractions of the brain is higher than in sleeping animals, but lower than in animals naturally awake or in animals subjected to a short narcotic sleep. The penetration of  $P^{32}$  from the blood stream into other body tissues of the hibernating susliks was of a very low rate, pointing to a very low rate of general metabolism in the hibernating animal. B. S. Levjue.

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